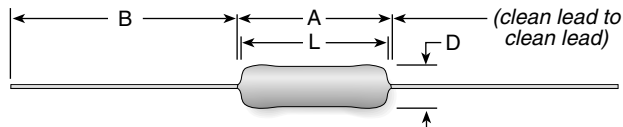


PowrFilm®

This product has been
DISCONTINUED



Metal Alloy Film Resistors 5% Tolerance Available in E24 Ohmic Values



PowrFilm resistors offer a major advantage over comparable metal film, carbon composition and fiberglass core wire types: A high power-to-size ratio. The PF1 can dissipate 1.0 watt in a size comparable to a 0.25 watt resistor and 3 watts in a package smaller than a comparable 1 watt unit.

PowrFilm is a high quality resistor constructed with a metal film alloy deposited on a high grade ceramic body. A non-flammable coating provides for environmental and electrical protection.

PowrFilm resistors are

an excellent choice for large volume, cost-sensitive applications requiring a high quality resistor that approaches the initial accuracy and long term stability of wirewound resistors.

FEATURES

- High power-to-size ratio.
- Economical.
- Endures continuous full loading with very little change in value over time.
- Excellent resistors where compact, space saving resistors are required.
- 24 Values per decade.
- RoHS compliant product available Jan. 2006 Add "E" suffix to part number to specify.

SPECIFICATIONS

Material

Coating: Non-flammable lacquer.

Core: High grade ceramic.

Terminals: Solder-coated copper lead.

Derating: Linearly from 100% @ +70°C to 0% @ +155°C.

Electrical

Tolerance: ±5%.

Temperature coefficient: ±250 ppm/°C.

Dielectric withstanding voltage: 500 VAC

This product has been
DISCONTINUED

STANDARD PART NUMBERS FOR STANDARD RESISTANCE VALUES

Wattage					Wattage					Wattage					Wattage					Wattage				
Ohmic value	Part No. Prefix ➤ Suffix ▼	1.0	2.0	3.0	Ohmic value	Part No. Prefix ➤ Suffix ▼	1.0	2.0	3.0	Ohmic value	Part No. Prefix ➤ Suffix ▼	1.0	2.0	3.0	Ohmic value	Part No. Prefix ➤ Suffix ▼	1.0	2.0	3.0	Ohmic value	Part No. Prefix ➤ Suffix ▼	1.0	2.0	3.0
		PF1J	PF2J	PF3J			PF1J	PF2J	PF3J			PF1J	PF2J	PF3J			PF1J	PF2J	PF3J			PF1J	PF2J	PF3J
1	—1R0	✓	✓	✓	18	—18R	✓	✓	✓	350	—350	✓	✓	✓	5,600	—5K6	✓	✓	✓	110,000	—110K	✓	✓	✓
1.1	—1R1	✓	✓	✓	20	—20R	✓	✓	✓	360	—360	✓	✓	✓	6,200	—6K2	✓	✓	✓	120,000	—120K	✓	✓	✓
1.2	—1R2	✓	✓	✓	22	—22R	✓	✓	✓	390	—390	✓	✓	✓	6,800	—6K8	✓	✓	✓	130,000	—130K	✓	✓	✓
1.3	—1R3	✓	✓	✓	24	—24R	✓	✓	✓	430	—430	✓	✓	✓	7,500	—7K5	✓	✓	✓	150,000	—150K	✓	✓	✓
1.5	—1R5	✓	✓	✓	27	—27R	✓	✓	✓	470	—470	✓	✓	✓	8,200	—8K2	✓	✓	✓	160,000	—160K	✓	✓	✓
1.6	—1R6	✓	✓	✓	30	—30R	✓	✓	✓	510	—510	✓	✓	✓	9,100	—9K1	✓	✓	✓	180,000	—180K	✓	✓	✓
1.8	—1R8	✓	✓	✓	33	—33R	✓	✓	✓	560	—560	✓	✓	✓	10,000	—10K	✓	✓	✓	200,000	—200K	✓	✓	✓
2	—2R0	✓	✓	✓	36	—36R	✓	✓	✓	620	—620	✓	✓	✓	11,000	—11K	✓	✓	✓	220,000	—220K	✓	✓	✓
2.2	—2R2	✓	✓	✓	39	—39R	✓	✓	✓	680	—680	✓	✓	✓	12,000	—12K	✓	✓	✓	240,000	—240K	✓	✓	✓
2.4	—2R4	✓	✓	✓	43	—43R	✓	✓	✓	750	—750	✓	✓	✓	13,000	—13K	✓	✓	✓	270,000	—270K	✓	✓	✓
2.7	—2R7	✓	✓	✓	47	—47R	✓	✓	✓	820	—820	✓	✓	✓	15,000	—15K	✓	✓	✓	300,000	—300K	✓	✓	✓
3	—3R0	✓	✓	✓	51	—51R	✓	✓	✓	910	—910	✓	✓	✓	16,000	—16K	✓	✓	✓	330,000	—330K	✓	✓	✓
3.3	—3R3	✓	✓	✓	56	—56R	✓	✓	✓	1,000	—1K0	✓	✓	✓	18,000	—18K	✓	✓	✓	360,000	—360K	✓	✓	✓
3.6	—3R6	✓	✓	✓	62	—62R	✓	✓	✓	1,100	—1K1	✓	✓	✓	20,000	—20K	✓	✓	✓	390,000	—390K	✓	✓	✓
3.9	—3R9	✓	✓	✓	68	—68R	✓	✓	✓	1,200	—1K2	✓	✓	✓	22,000	—22K	✓	✓	✓	430,000	—430K	✓	✓	✓
4.3	—4R3	✓	✓	✓	75	—75R	✓	✓	✓	1,300	—1K3	✓	✓	✓	24,000	—24K	✓	✓	✓	470,000	—470K	✓	✓	✓
4.7	—4R7	✓	✓	✓	82	—82R	✓	✓	✓	1,500	—1K5	✓	✓	✓	30,000	—30K	✓	✓	✓	510,000	—510K	✓	✓	✓
5.1	—5R1	✓	✓	✓	91	—91R	✓	✓	✓	1,600	—1K6	✓	✓	✓	33,000	—33K	✓	✓	✓	560,000	—560K	✓	✓	✓
5.6	—5R6	✓	✓	✓	100	—100	✓	✓	✓	1,800	—1K8	✓	✓	✓	36,000	—36K	✓	✓	✓	620,000	—620K	✓	✓	✓
6.2	—6R2	✓	✓	✓	110	—110	✓	✓	✓	2,000	—2K0	✓	✓	✓	39,000	—39K	✓	✓	✓	680,000	—680K	✓	✓	✓
6.8	—6R8	✓	✓	✓	120	—120	✓	✓	✓	2,200	—2K0	✓	✓	✓	43,000	—43K	✓	✓	✓	750,000	—750K	✓	✓	✓
7.5	—7R5	✓	✓	✓	130	—130	✓	✓	✓	2,400	—2K4	✓	✓	✓	47,000	—47K	✓	✓	✓	820,000	—820K	✓	✓	✓
8.2	—8R2	✓	✓	✓	150	—150	✓	✓	✓	2,700	—2K7	✓	✓	✓	51,000	—51K	✓	✓	✓	910,000	—910K	✓	✓	✓
9.1	—9R1	✓	✓	✓	160	—160	✓	✓	✓	3,000	—3K0	✓	✓	✓	56,000	—56K	✓	✓	✓	1 MEG	—1M0	✓	✓	✓
10	—10R	✓	✓	✓	180	—180	✓	✓	✓	3,300	—3K3	✓	✓	✓	62,000	—62K	✓	✓	✓					
11	—11R	✓	✓	✓	200	—200	✓	✓	✓	3,600	—3K6	✓	✓	✓	68,000	—68K	✓	✓	✓	✚ = Most popular standard values ✓ = Standard values ✚ = Non-standard values subject to minimum handling charge per item				
12	—12R	✓	✓	✓	220	—220	✓	✓	✓	3,900	—3K9	✓	✓	✓	75,000	—75K	✓	✓	✓					
13	—13R	✓	✓	✓	240	—240	✓	✓	✓	4,300	—4K3	✓	✓	✓	82,000	—82K	✓	✓	✓					
15	—15R	✓	✓	✓	270	—270	✓	✓	✓	4,700	—4K7	✓	✓	✓	91,000	—91K	✓	✓	✓					
16	—16R	✓	✓	✓	330	—330	✓	✓	✓	5,100	—5K1	✓	✓	✓	100,000	—100K	✓	✓	✓					

+ = Most popular standard values
 ✓ = Standard values
 ✕ = Non-standard values subject to minimum handling charge per item